

Personata

Our application makes use of the information from the users, and aims to form a demographic of user's Facebook usage. The four main functions are to be displayed in a more interactive and appealing UI, the functions are,

1. A graph of user's information of the number of posts, comments and likes from the others on a monthly basis;
2. An illustration of user's level of activity in a day's time — evaluated on a long-term basis and summarize based on principle of a heat diagram;
 - Summarize the amount of all the status (posts, comments, photos etc,) of a specific date, show upon hover.
 - Show of friends' activity level who are using the same app.
3. Organizing and marking of all past or upcoming events to the app's calendar;
4. Provide the ranking of user's—
 - Most popular posts among his friends (liked or commented) <Show the top posts or comments>
 - Most common type of status posted (post, comment or shared links etc)

The initiative was to let the user see similar information concluded from his friends. However, the relevant data are only accessible if all his friends are using the app, which may turn out to be loss in generality, and the data would not be representing the entire crowd. Thus, instead of doing the app as a friend's demographic, the idea was transformed to a demographic of personal Facebook use.

Why do we want to do this? Most of the people are very much concerned about other people's comment, popularity of the post, and enjoy sharing his current status to all his friends. The app could allow him to know the popularity for a month interval, track his activity level throughout a day as well as his friends, such that there would be a shared time of posting and fun.

Execution Plan

By 26th Aug, Tues. Achieve function 1). and 4). raw structure without concrete UI.

Personnel allocation:

Tang Ning: settle development environment; integration of all.

Yatish: backend of Function 1 & 4.

Yichuan: graph of Function 1 & 4.

Yiping: UI of functions.

<After finishing, proceed to achieve function 2 & 3>

<Basic outlook of app, intensive touch-up of UI after raw structure up.>

By 29th Aug, Fri. Achieve function 1. and 4. with complete UI.

<Tests of first stage of construction>

By 30th Aug, Sat. Achieve function 2). and 3). raw structure without concrete UI.

<Start testing and finalize the app>

By 2nd Sep, Tues. Achieve function 2). and 3). finalizing with UI.

Schema.sql

```
DROP TABLE types;
```

```
DROP TABLE feeds;
```

```
CREATE TABLE types (  
    tid INTEGER NOT NULL AUTO_INCREMENT,  
    name VARCHAR(20) NOT NULL,  
    PRIMARY KEY(tid)  
);
```

```
CREATE TABLE feeds(  
    fid VARCHAR(100),  
    uid VARCHAR(100) NOT NULL,  
    tid INTEGER NOT NULL,  
    time DATE,  
    likes INTEGER,  
    comments INTEGER,  
    PRIMARY KEY(fid),  
    FOREIGN KEY(tid) REFERENCES types(tid)  
);
```